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PATENT  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of : Confirmation No. 3553  
Louis T. Klauder, Jr. : Group Art Unit 2128  
Application No. 10/506,708 : Examiner: Russell W. Frejd  
Filing Date: September 7, 2004 : (571) 272-3779  
For a Patent for a :  
METHOD FOR DESIGNING GENERALIZED :  
SPIRALS, BENDS, JOGS, AND WIGGLES :  
FOR RAILROAD TRACKS AND VEHICLE :  
GUIDEWAYS : March 15, 2006

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This paper is being filed to advise the U.S. Patent Office of information which may be considered "material to patentability" in examining this patent application, in accordance with the provisions of 37 C.F.R. §1.56.

Applicant's Information Disclosure Statements filed December 13, 2004, and January 18, 2005, informed the U.S. Patent Office of applicant's earlier-filed U.S. Patent Application No. 10/311,613, which was derived from an International Application, No. PCT/US01/41074.

International Application No. PCT/US01/41074 was published under the No. WO 01/98938 on December 27, 2001, and a copy of this publication is enclosed with this Information Disclosure Statement.

U.S. Patent Application No. 10/311,613 has since been examined, and allowed. The following documents are noted for being cited by the U.S. Patent Office during the examination of U.S. Patent Application No. 10/311,613.

#### U.S. Patents

6,347,265 (Bidaud) - Issued: February 12, 2002  
5,012,413 (Sroka et al.) - Issued: April 30, 1991  
4,323,013 (Theurer) - Issued: April 6, 1982  
3,732,827 (Anderson) - Issued: May 15, 1973

#### U.S. Patent Application Publication

2001/0010197 (Kassab) - Published: August 2, 2001

#### Other Documents

Belzer, J., "Geometrics of Spiral Bridge Design", 13th National Meeting of the Association for Computing Machinery, pages 13-1 to 13-3 (June, 1958).

Krueger, H., et al., "Simulation Within the Railroad Environment", Proceedings of the 32nd Conference on Winter Simulation, pages 1191-1200 (December, 2000).

Steenblik, R.A., et al., "Numerical Modeling of the Conformational Transition of a Spiral Focusing Surface", ACM SIGSIM Simulation Digest, Proceedings of the 23rd Annual Symposium on Simulation, pages 127-134 (April, 1990).

The U.S. Patent Office is further informed of commonly owned International Application No. PCT/US2005/014749, having an International Filing Date of April 28, 2005.

International Application No. PCT/US2005/014749 was published under the No. WO 2005/104789 on November 10, 2005. A copy of this publication, together with the issued Search Report, is enclosed with this Information Disclosure Statement.

The following documents are noted for being cited in the Search Report issued during the international stage of International Application No. PCT/US2005/014749.

#### U.S. Patents

6,257,494 (Tokuoka et al.) - Issued: July 10, 2001  
5,012,413 (Sroka et al.) - Issued: April 30, 1991  
3,939,777 (Moran) - Issued: February 24, 1976  
3,732,827 (Anderson) - Issued: May 15, 1973

#### Other Documents

Clark, R., "Rail Flaw Detection: Overview and Needs for Future Developments", NDT & E International, Vol. 37, No. 2, March 2004, pages 111-118.

Krueger, H., et al., "Simulation Within the Railroad Environment", Proceedings of the 32nd Conference on Winter Simulation, pages 1191-1200 (December, 2000).

Copies of the cited portions of the above-listed "other documents" are enclosed for consideration in this matter. Copies of the above-listed U.S. patent documents have not been enclosed with this Information Disclosure Statement in view of the waiver of such requirements for International Applications which entered their U.S. national stage after June 30, 2003 (OG Notices; 05 August 2003).

The U.S. Patent Office is further advised of a presentation which applicant submitted to the American Railway Engineering and Maintenance of Way Association (AREMA) for inclusion in its proceedings for the year 2000 Annual Conference, which was held in Dallas, Texas, from September 11 to 13, 2000.


This included an oral presentation entitled "The Right Way to Design Track Curve Transition Spirals", made during the Annual Conference, and a written presentation in a paper which appeared in the proceedings of the Annual Conference entitled "Improved Spiral Geometry for High Speed Rail". Copies of a series of slides which were projected as part of the oral presentation, and the written paper which appeared in the proceedings of the Annual Conference, are enclosed with this Information Disclosure Statement.

Due consideration of the foregoing is respectfully requested, pursuant to the provisions of 37 C.F.R. §1.56(a)(2).

It is further respectfully requested that the Examiner acknowledge consideration of this information by initialing the PTO-1449 forms (2) which are enclosed with this Information Disclosure Statement, and which cite the foregoing documents, and by providing applicant with initialed copies of the enclosed PTO-1449 forms to confirm the consideration of this information.

This Information Disclosure Statement is being submitted under the provisions of 37 C.F.R. §1.97(c) because neither a final action, a notice of allowance nor an action that otherwise closes prosecution of the application has been mailed in connection with this patent application. To this end, the fee (\$180.00) set forth in 37 C.F.R. §1.17(p) is enclosed. Corresponding action is earnestly solicited.

Respectfully submitted,

  
GARY M. COHEN, ESQ.  
Reg. No. 28,834  
Attorney for Applicant  
Tel.: (610) 975-4430

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
BENDS2.D07APPLICATION NO.  
10/506,708List of Information Cited by Applicant  
(Use several sheets if necessary)APPLICANT  
Louis T. Klauder, Jr.FILING DATE  
September 7, 2004GROUP  
2128

MAR 15 2006

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	PATENT DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 6 3 4 7 2 6 5	02/12/02	Bidaud			
	AB 5 0 1 2 4 1 3	04/30/91	Sroka et al.			
	AC 4 3 2 3 0 1 3	04/06/82	Theurer			
	AD 3 9 3 9 7 7 7	02/24/76	Moran			
	AE 3 7 3 2 8 2 7	05/15/73	Anderson			
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL W0051 0 4 7 8 9	11/10/05	PCT (Klauder)			
	AM W001 9 8 9 3 8	12/27/01	PCT (Klauder)			
	AN					
	AO					
	AP					

## OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.)

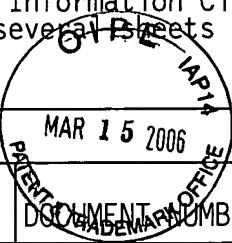
	AR US	2001/0010197 A1 (Kassab) - Published: August 2, 2001
	AS	
	AT	Belzer, J., "Geometrics of Spiral Bridge Design", 13th National Meeting of the Association for Computing Machinery, pages 13-1 to 13-3 (June, 1958)
	AU	Clark, R., "Rail Flaw Detection: Overview and Needs for Future Developments", NDT & E International, Vol. 37, No. 2, March 2004, pages 111-118

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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BA						
BB						
BC						
BD						
BE						
BF						
BG						
BH						
BI						

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
BL						
BM						
BN						
BO						
BP						

## OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.)

BR		Klauder, Louis T., Jr., "The Right Way to Design Track Curve Transition Spirals - Improved Spiral Geometry for High Speed Rail", Annual Conference of the American Railway Engineering and Maintenance of Way Association (AREMA), Dallas, Texas (September 11 to 13, 2000)
BS		Krueger, H., et al., "Simulation Within the Railroad Environment", Proceedings of the 32nd Conference on Winter Simulation, pages 1191-1200 (December, 2000)
BT		Steenblik, R.A., et al., "Numerical Modeling of the Conformational Transition of a Spiral Focusing Surface", ACM SIGSIM Simulation Digest, Proceedings of the 23rd Annual Symposium on Simulation, pages 127-134 (April, 1990)

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